

FIG. 1
(PRIOR ART)

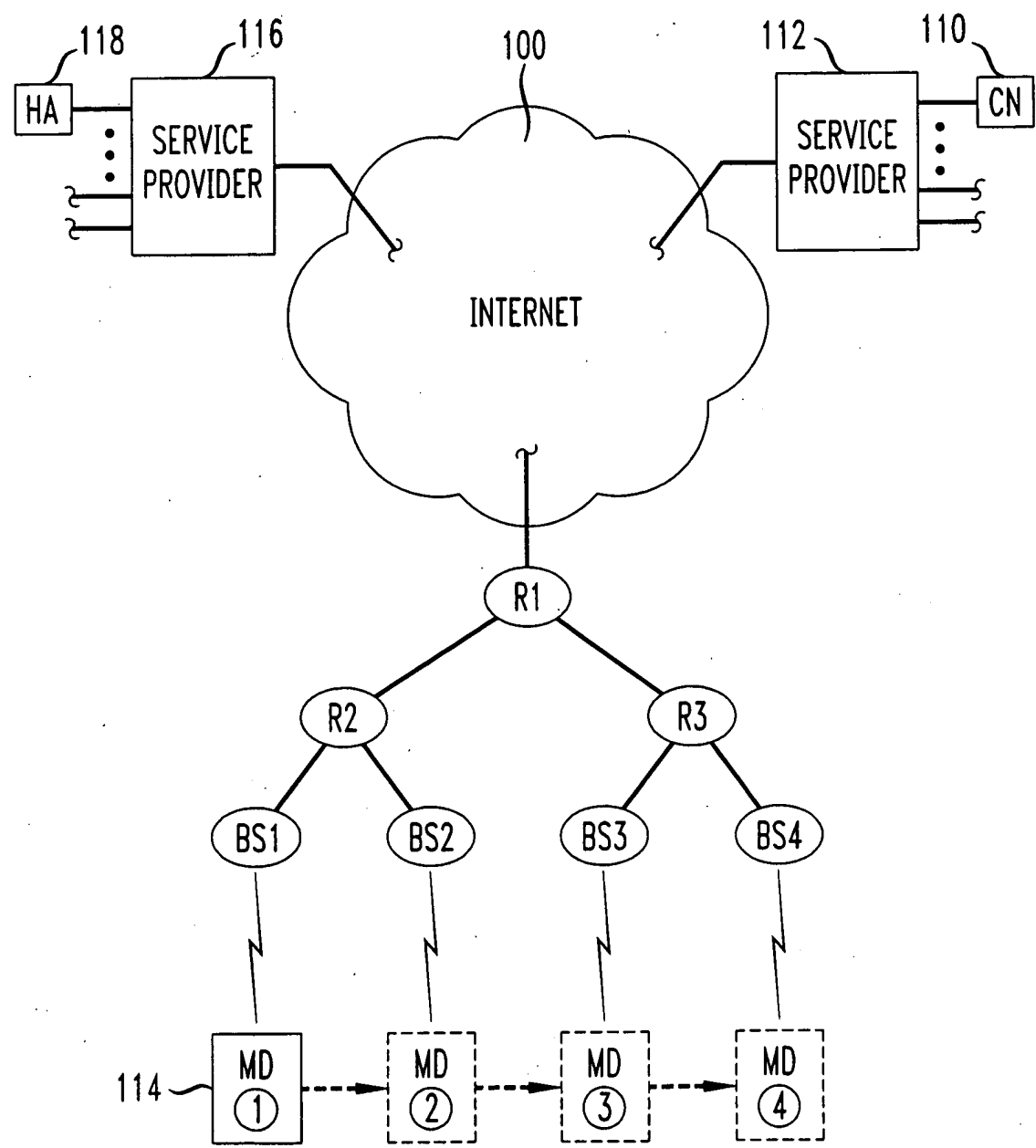
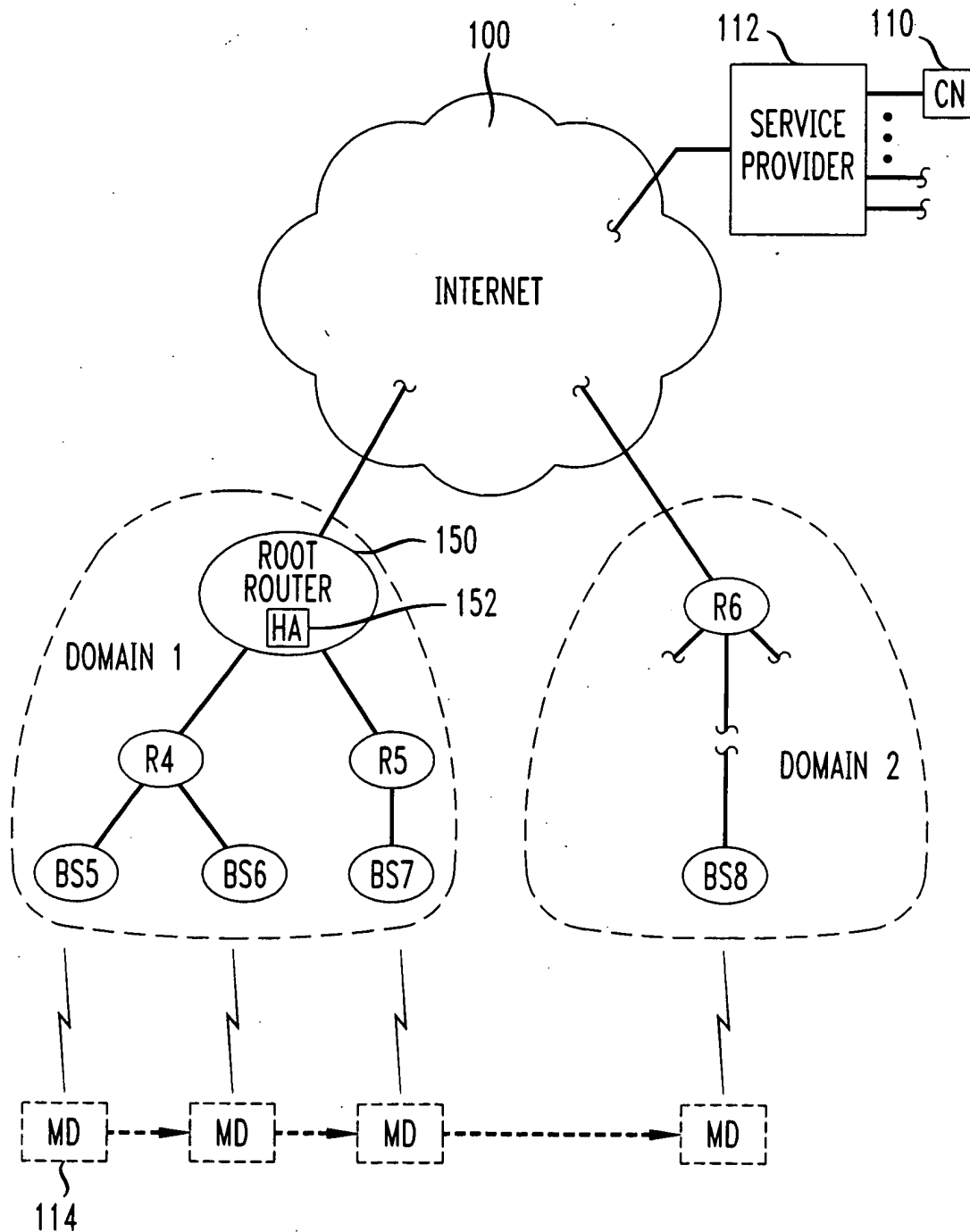
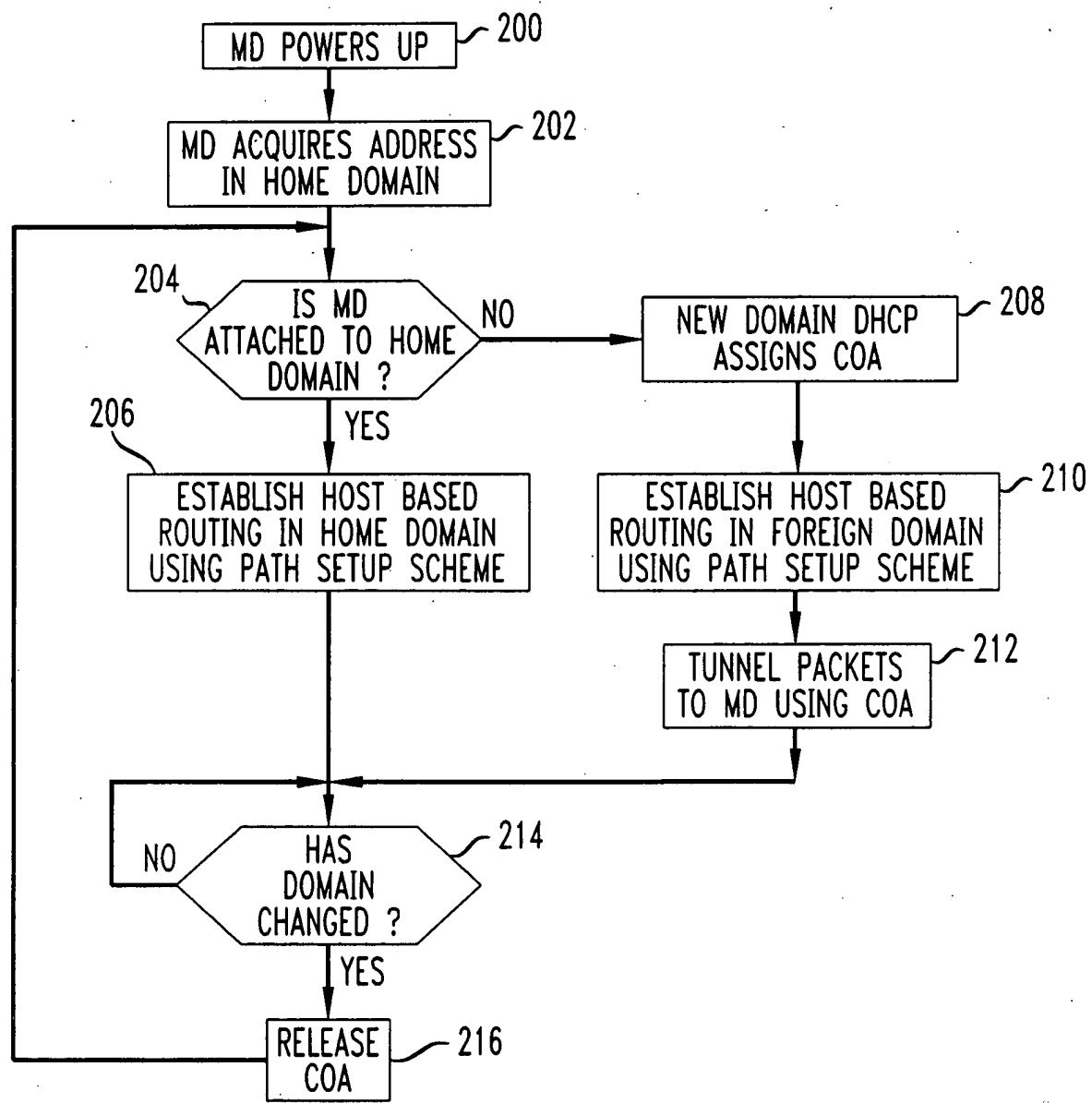


FIG. 2



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FIG. 4



SECRET

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FIG. 5

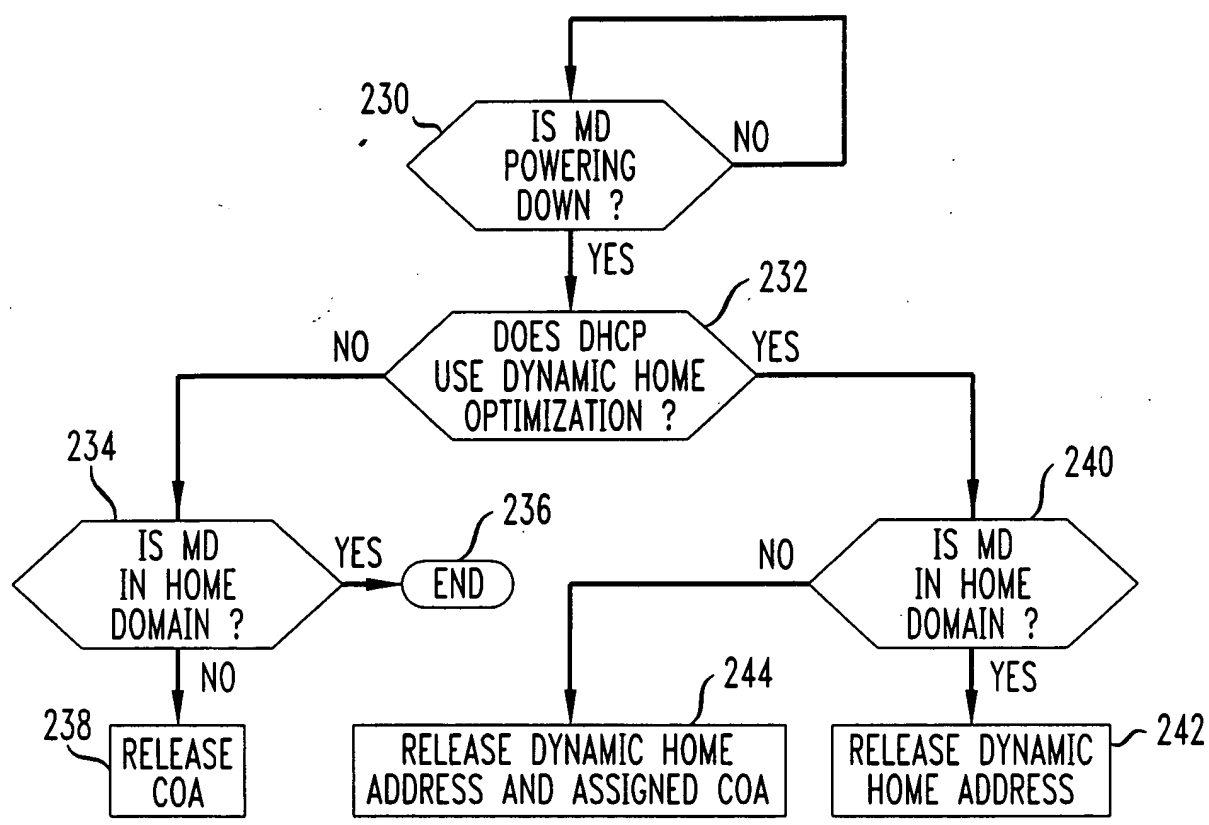
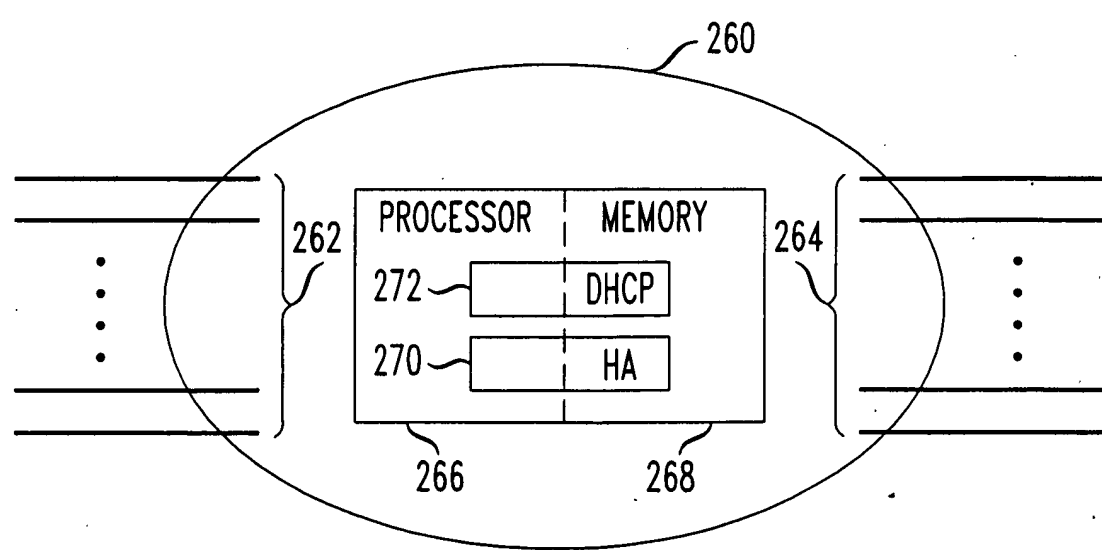


FIG. 6



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FIG. 7

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PARAMETER	REFRESH PATH SETUP MESSAGE
MESSAGE TYPE	REFRESH
SEQUENCE NUMBER	MIN(1,SEQUENCE NUMBER OF THE ENTRY IN BASE-STATION)
MOBILE IP ADDRESS	IP ADDRESS OF MOBILE DEVICE ATTACHED TO BASE-STATION
SOURCE IP ADDRESS	IP ADDRESS OF BASE-STATION SENDING THE REFRESH MESSAGE
DESTINATION IP ADDRESS	IP ADDRESS OF DOMAIN ROOT ROUTER
METRIC	SET AS ONE BY BASE-STATION, INCREMENTED BY OTHERS

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FIG. 8

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PARAMETER	POWER UP UPDATE PATH SETUP MESSAGE
MESSAGE TYPE	UPDATE
SEQUENCE NUMBER	ZERO
MOBILE IP ADDRESS	IP ADDRESS OF MOBILE DEVICE
SOURCE IP ADDRESS	IP ADDRESS OF CURRENT BASE-STATION
DESTINATION IP ADDRESS	IP ADDRESS OF DOMAIN ROOT ROUTER
METRIC	SET TO ZERO BY MOBILE DEVICE, INCREMENTED BY OTHERS

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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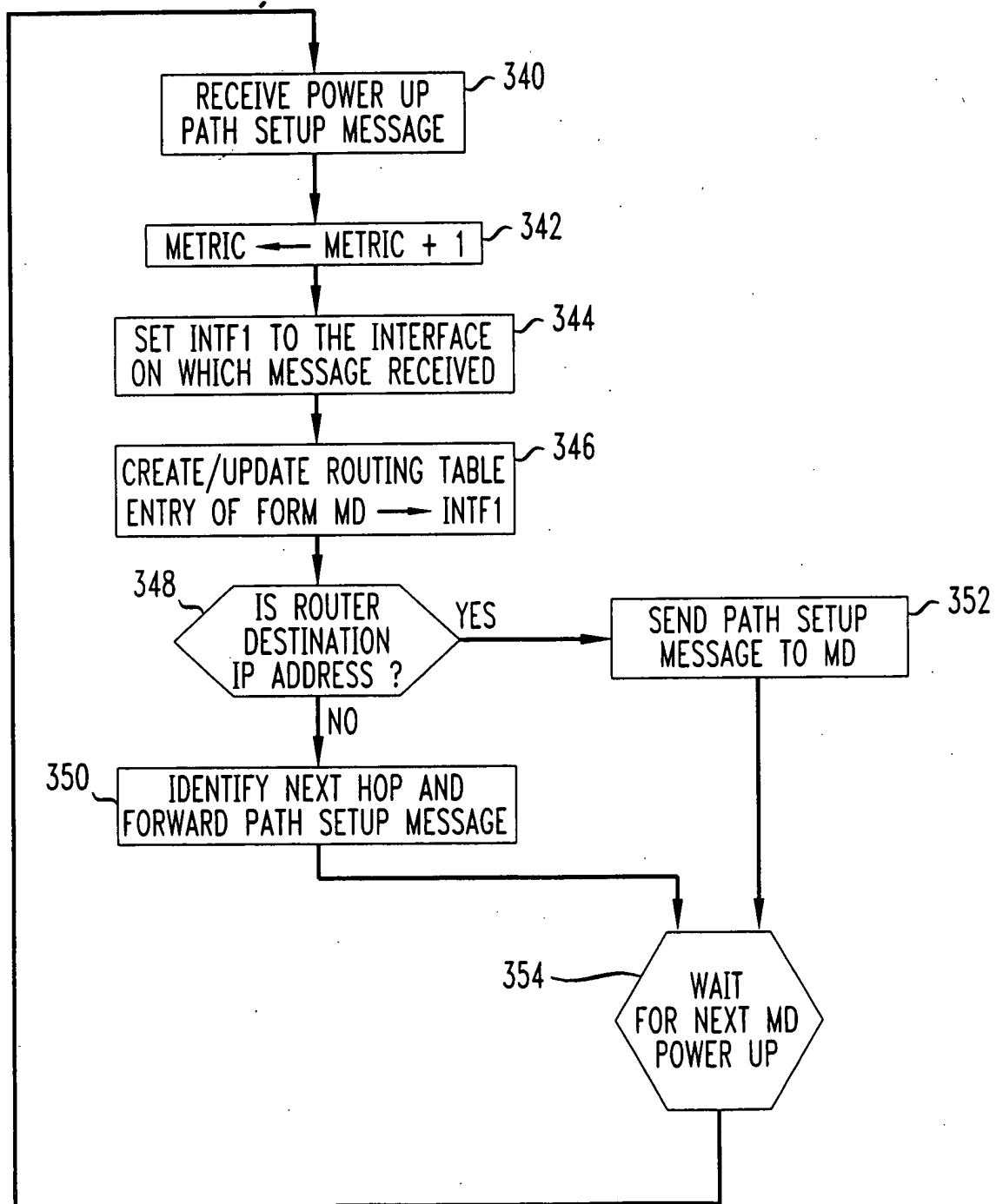
300

FIG. 9

310	PARAMETER	HANDOFF UPDATE PATH SETUP MESSAGE
312	MESSAGE TYPE	UPDATE
314	SEQUENCE NUMBER	MIN((SEQUENCE NUMBER OF PREVIOUS UPDATE + 1)%MAX SEQ NUM,2)
316	MOBILE IP ADDRESS	IP ADDRESS OF MOBILE DEVICE
318	SOURCE IP ADDRESS	IP ADDRESS OF NEW BASE-STATION
320	DESTINATION IP ADDRESS	IP ADDRESS OF OLD BASE-STATION
	METRIC	SET TO ZERO BY MOBILE DEVICE, INCREMENTED BY OTHERS

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FIG. 10



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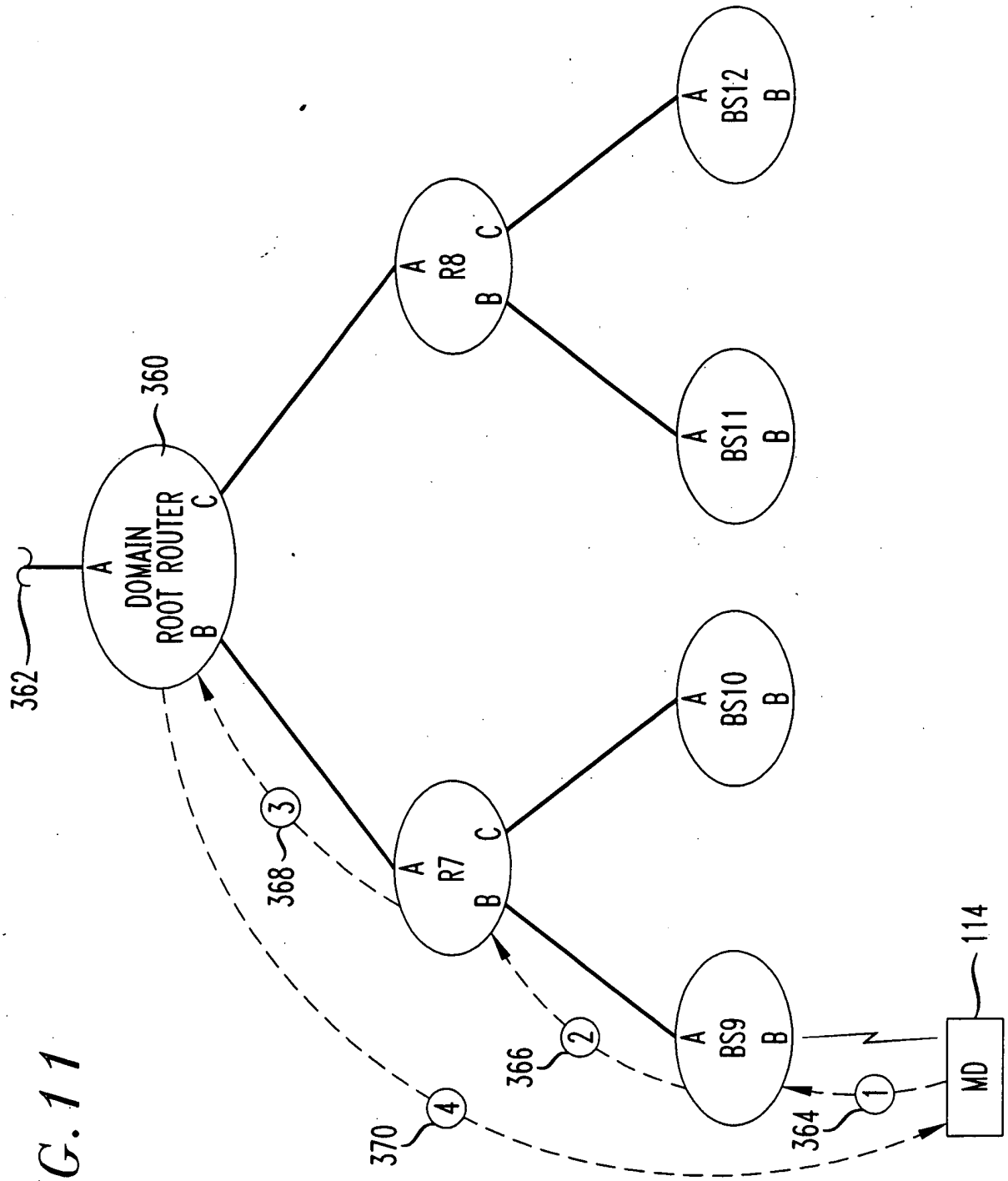
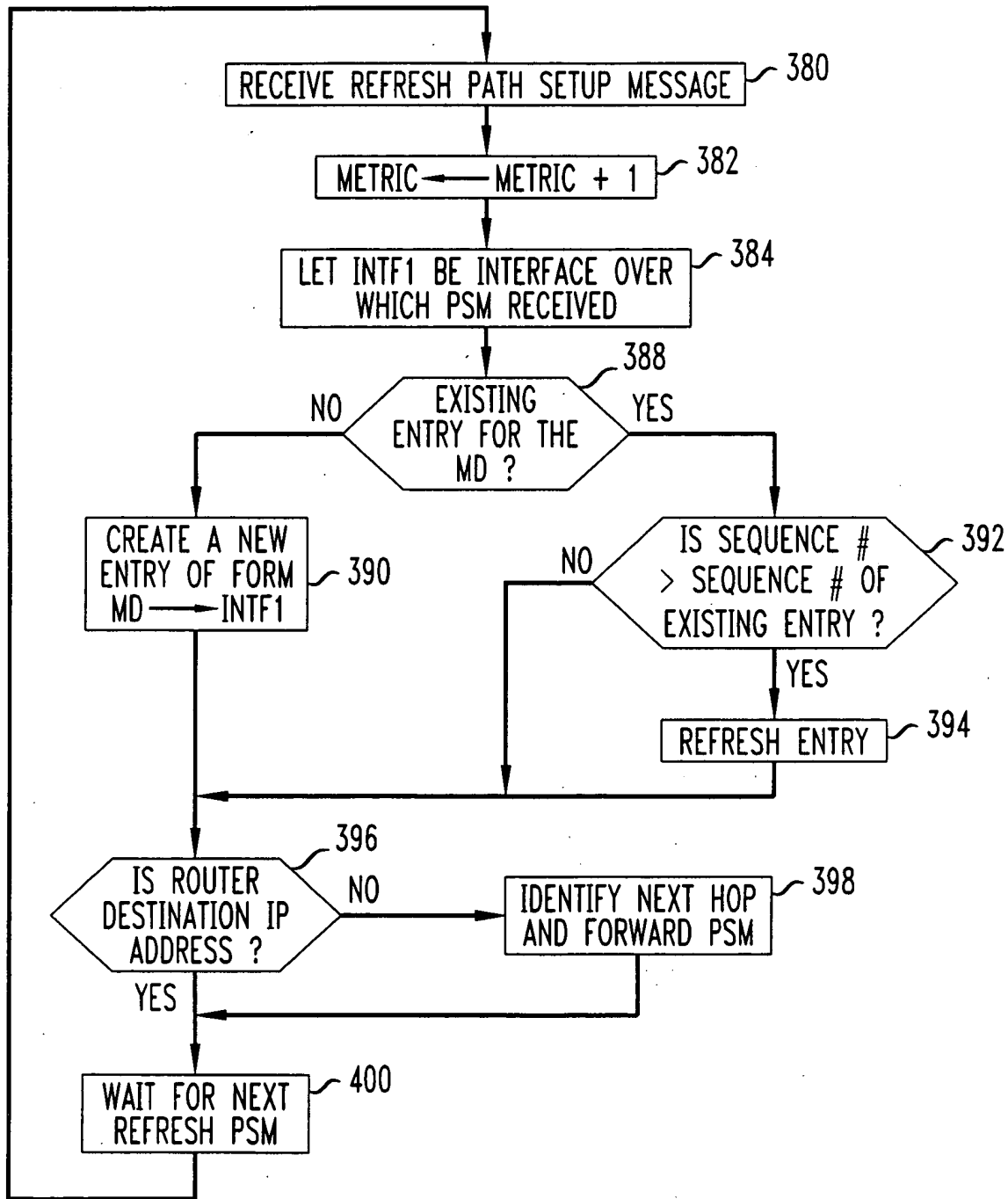


FIG. 11

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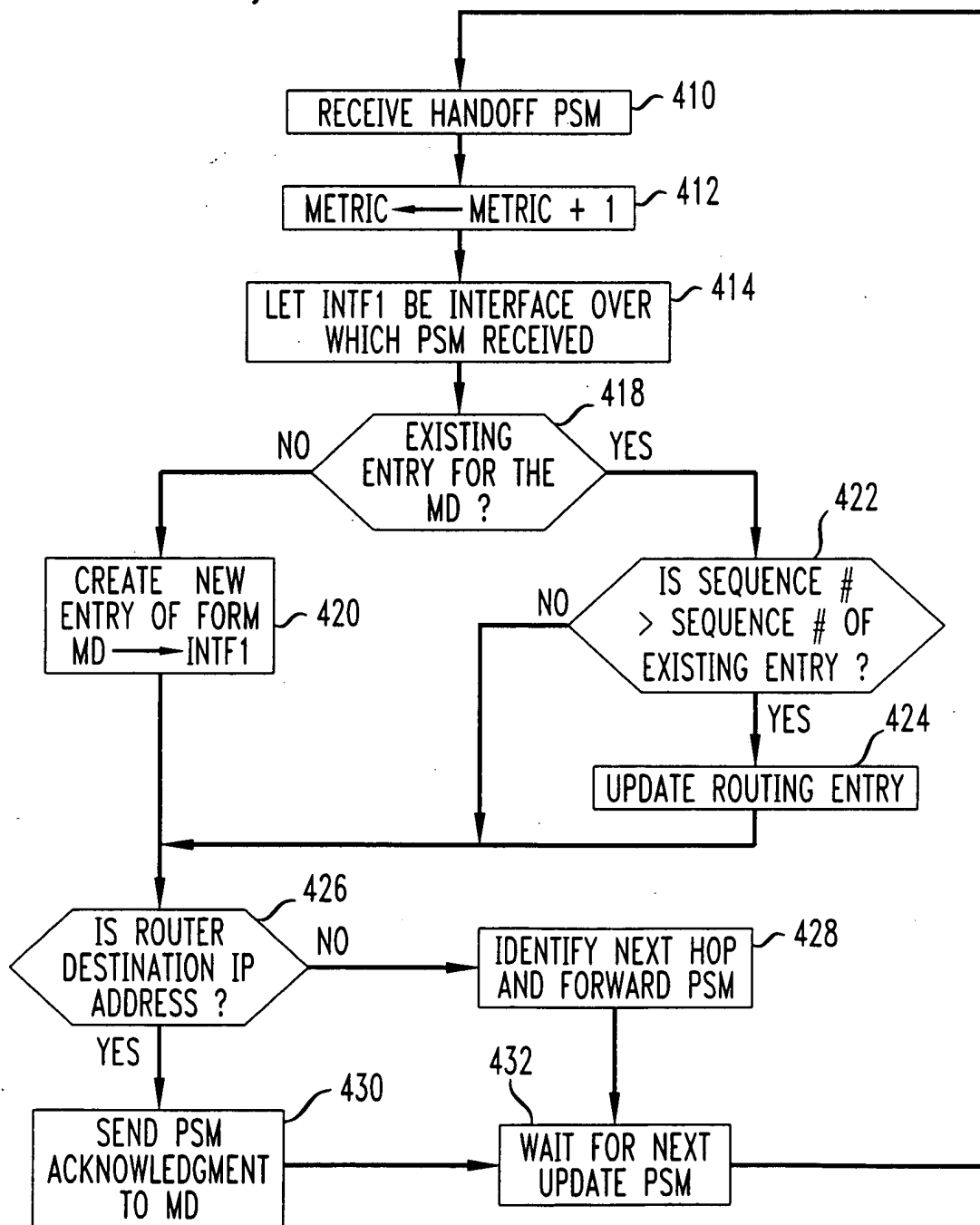
FIG. 12



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FIG. 13



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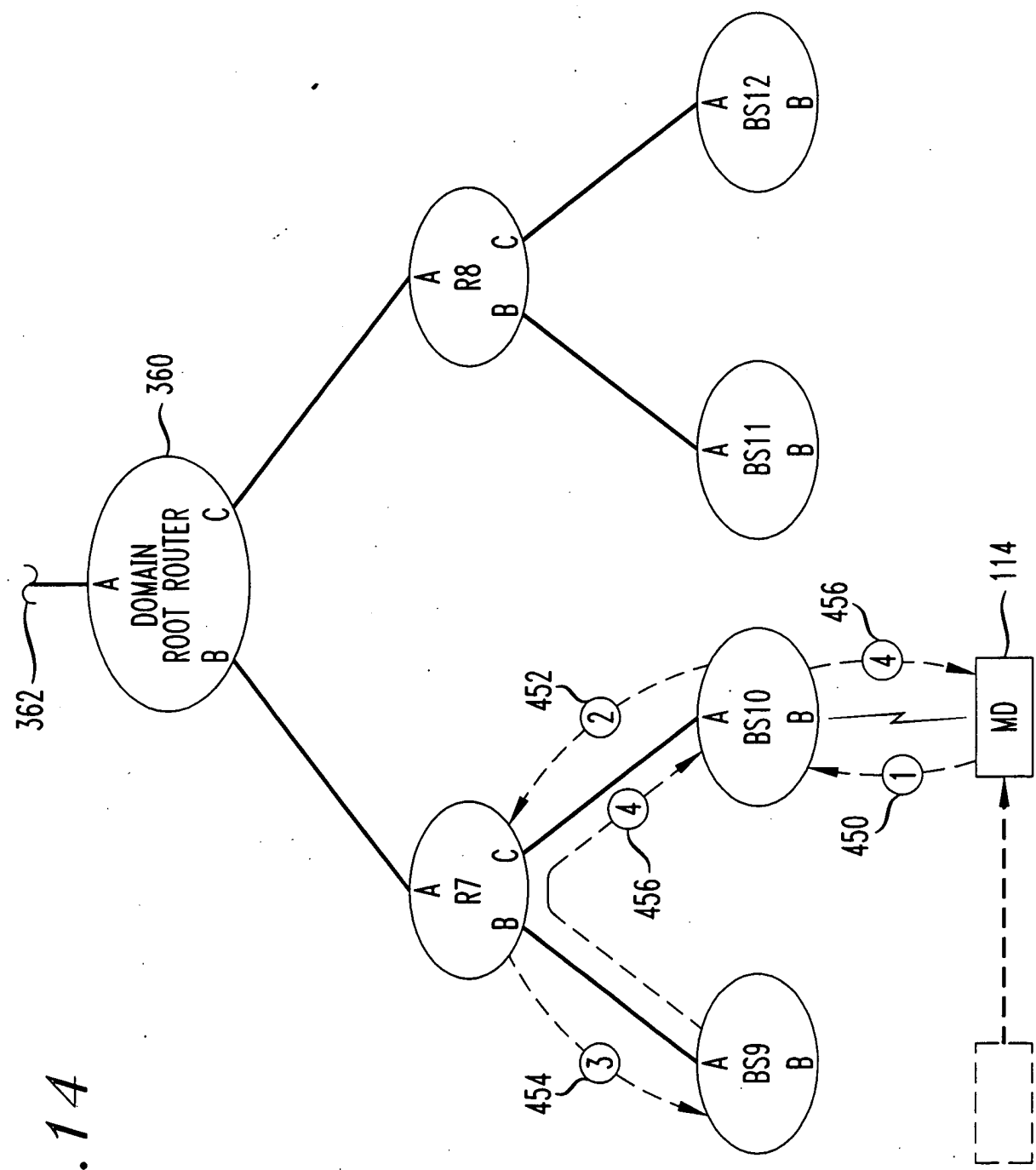


FIG. 14

FIG. 14

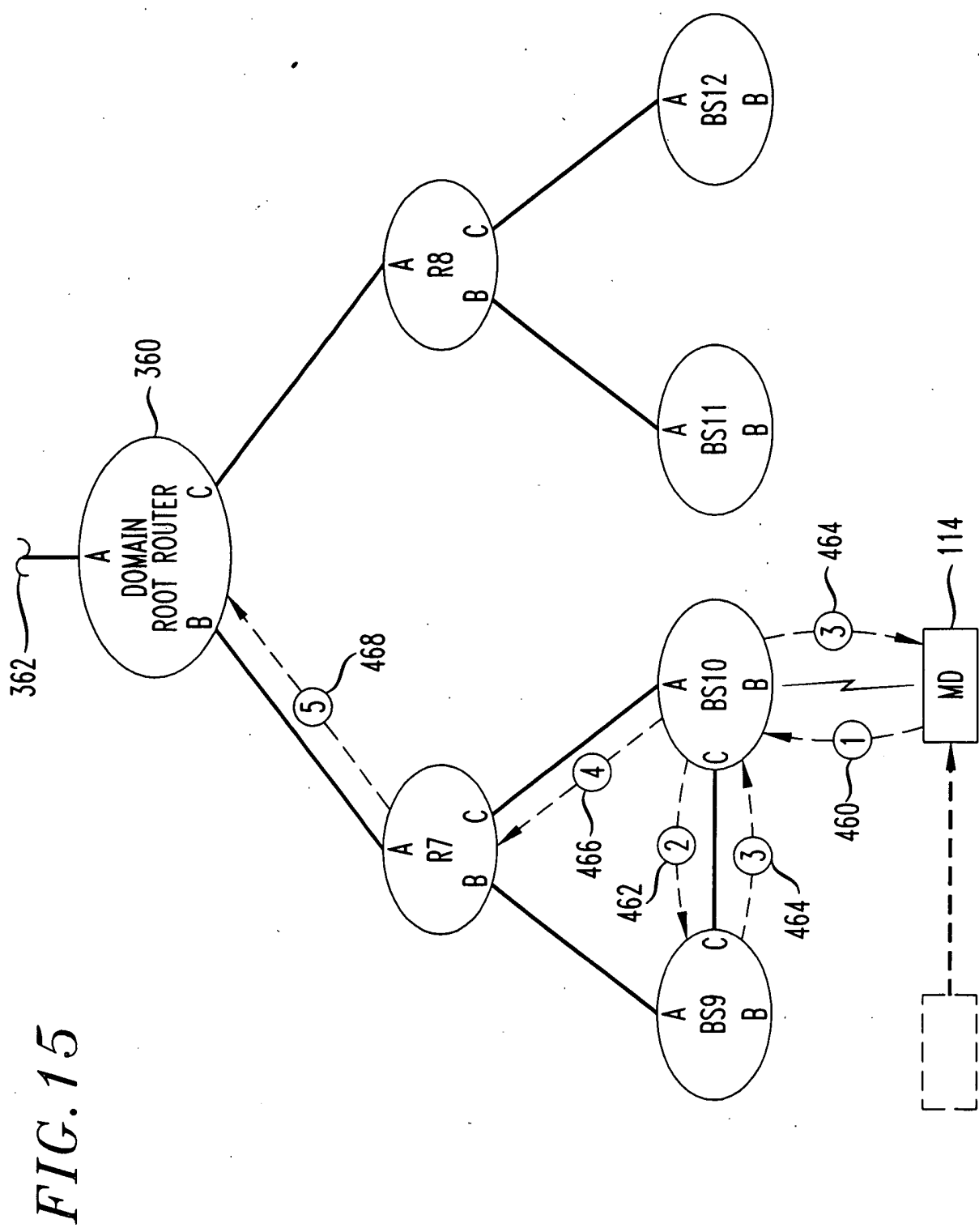
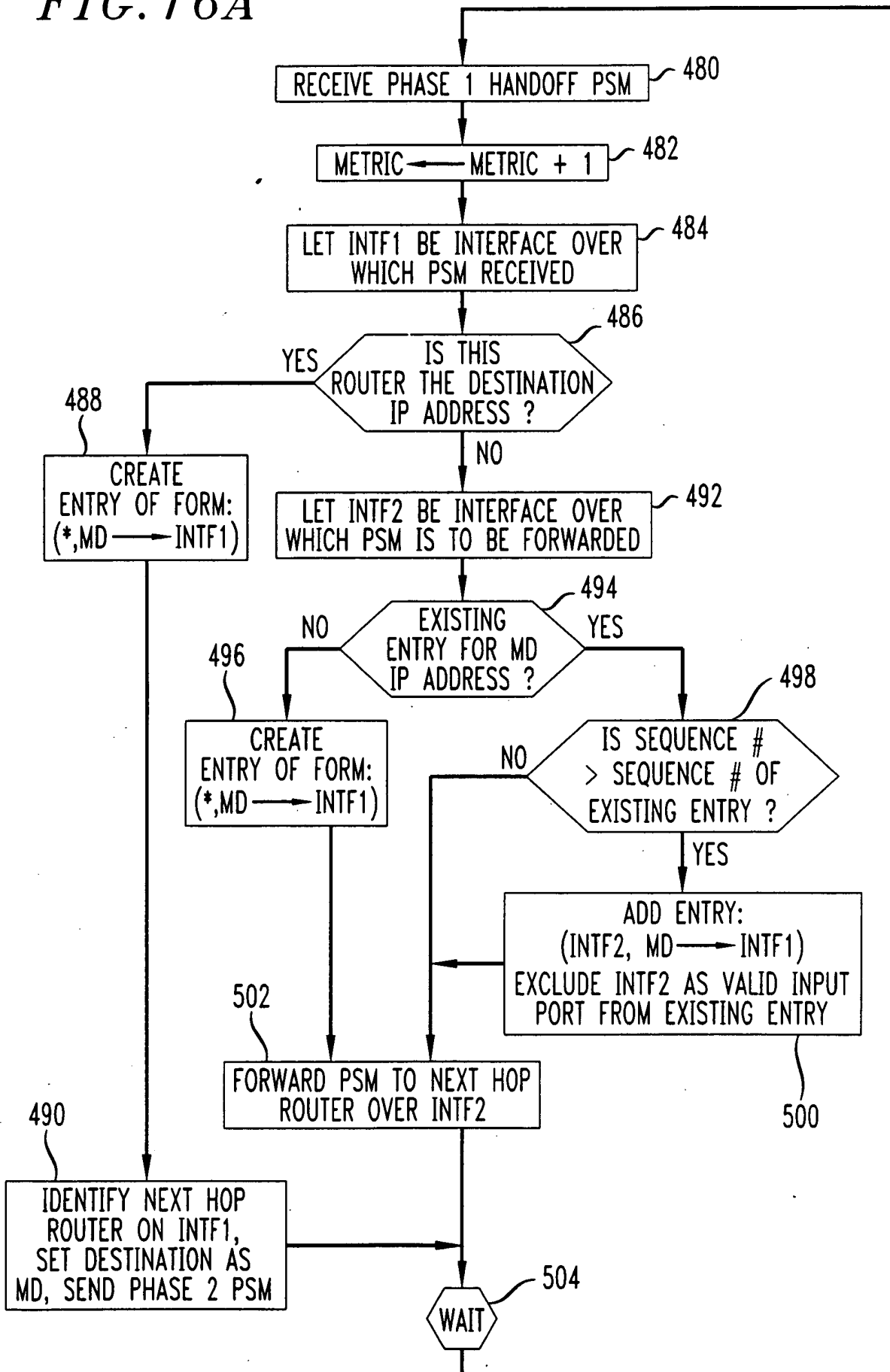


FIG. 15

FIG. 15

FIG. 16A

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FIG. 16B

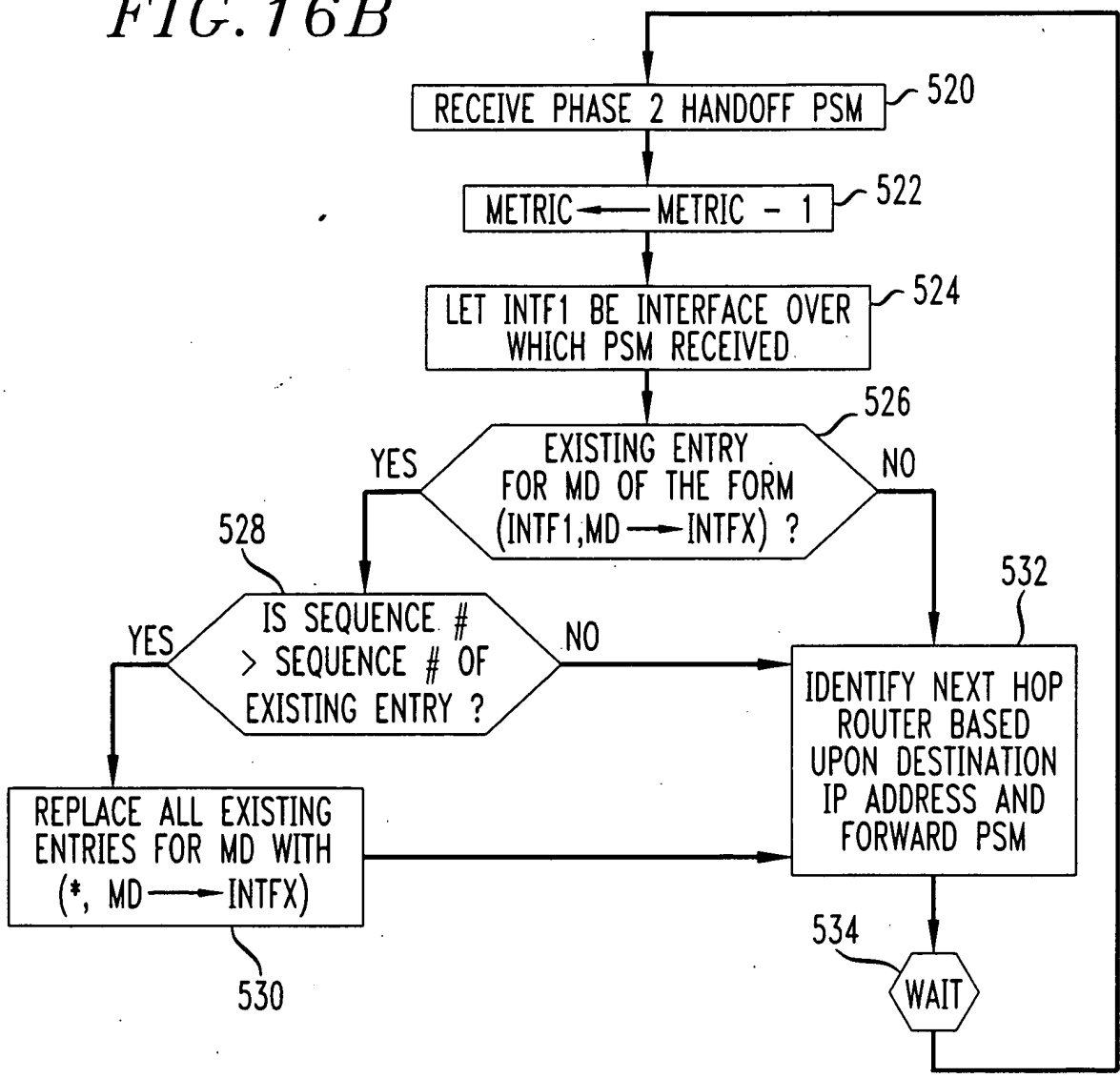


FIG. 18

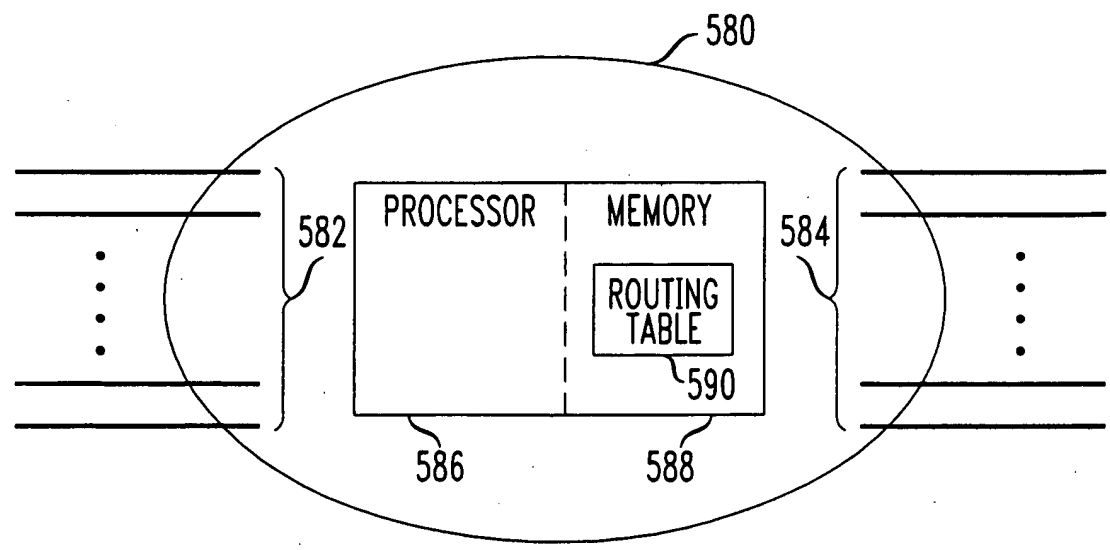
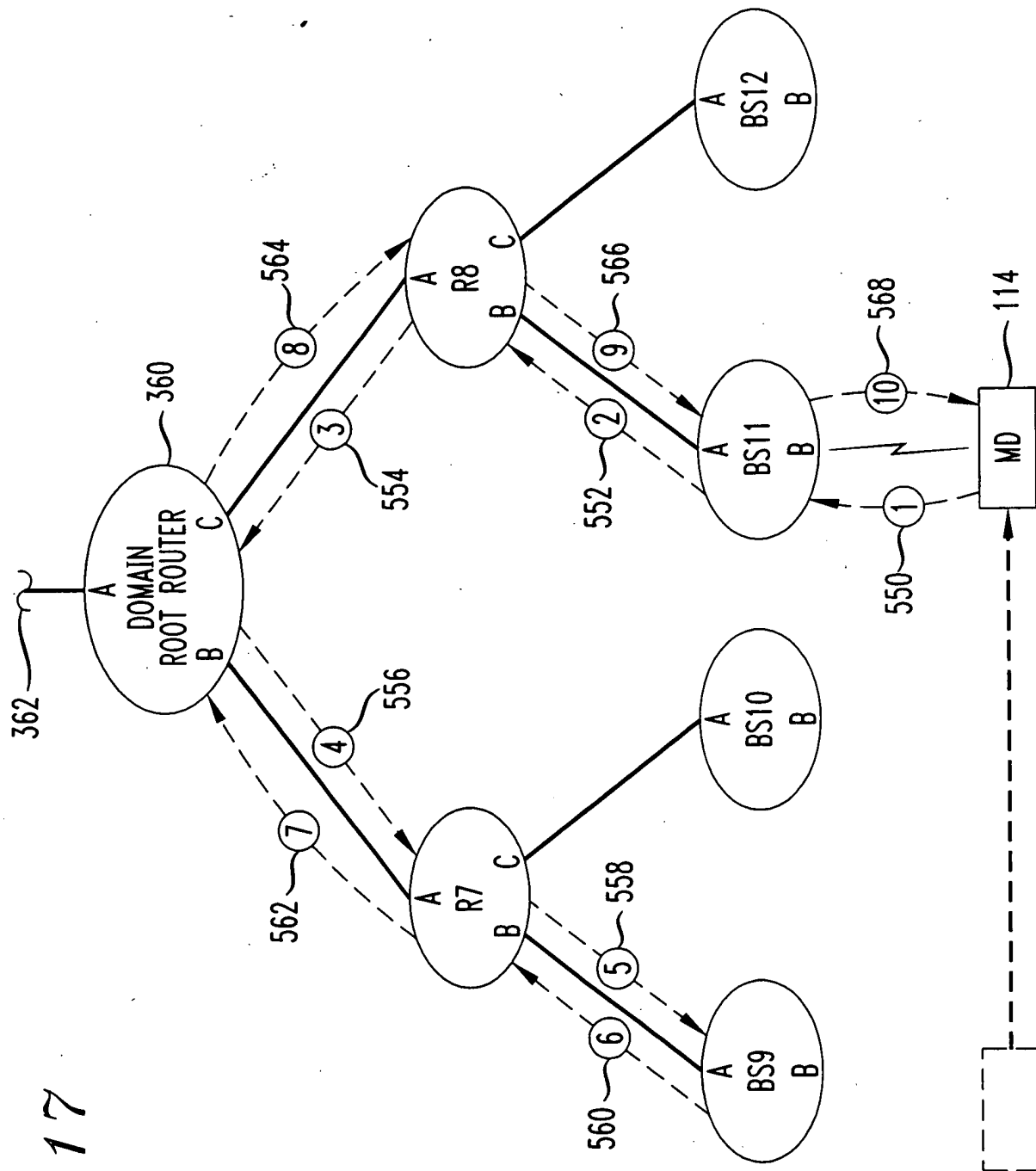


FIG. 17



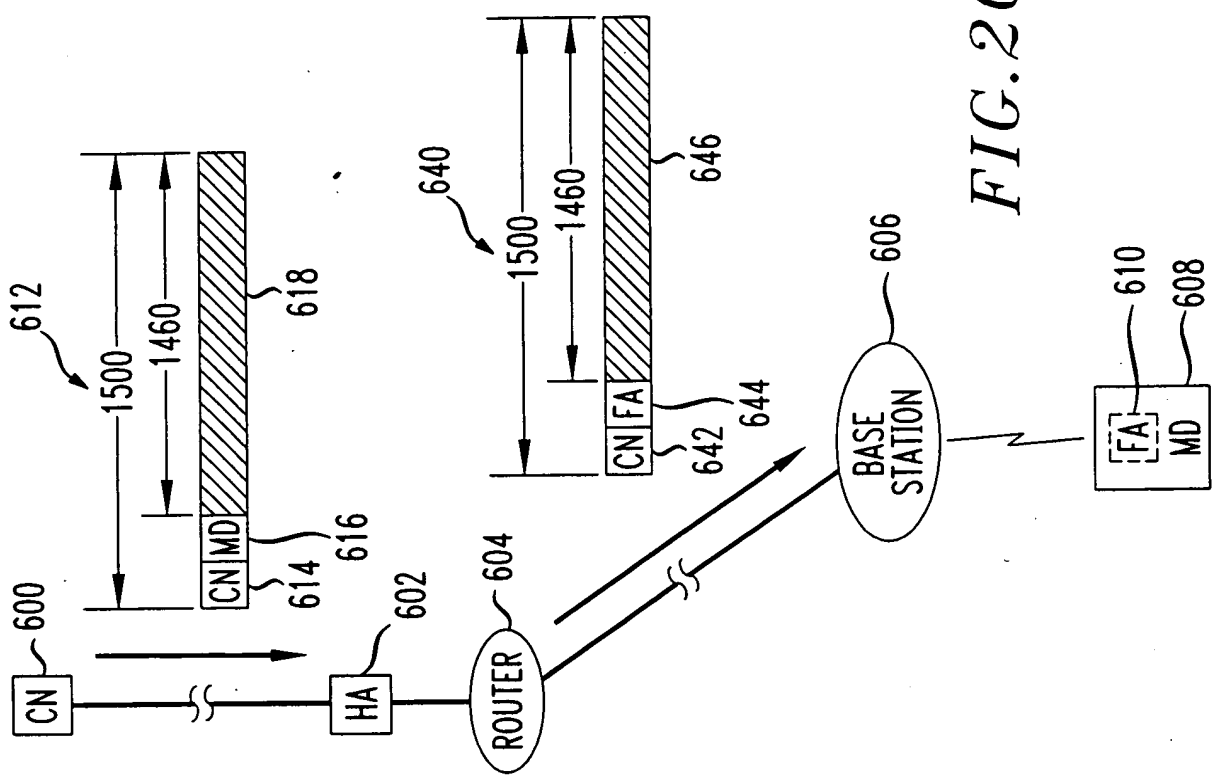


FIG. 20

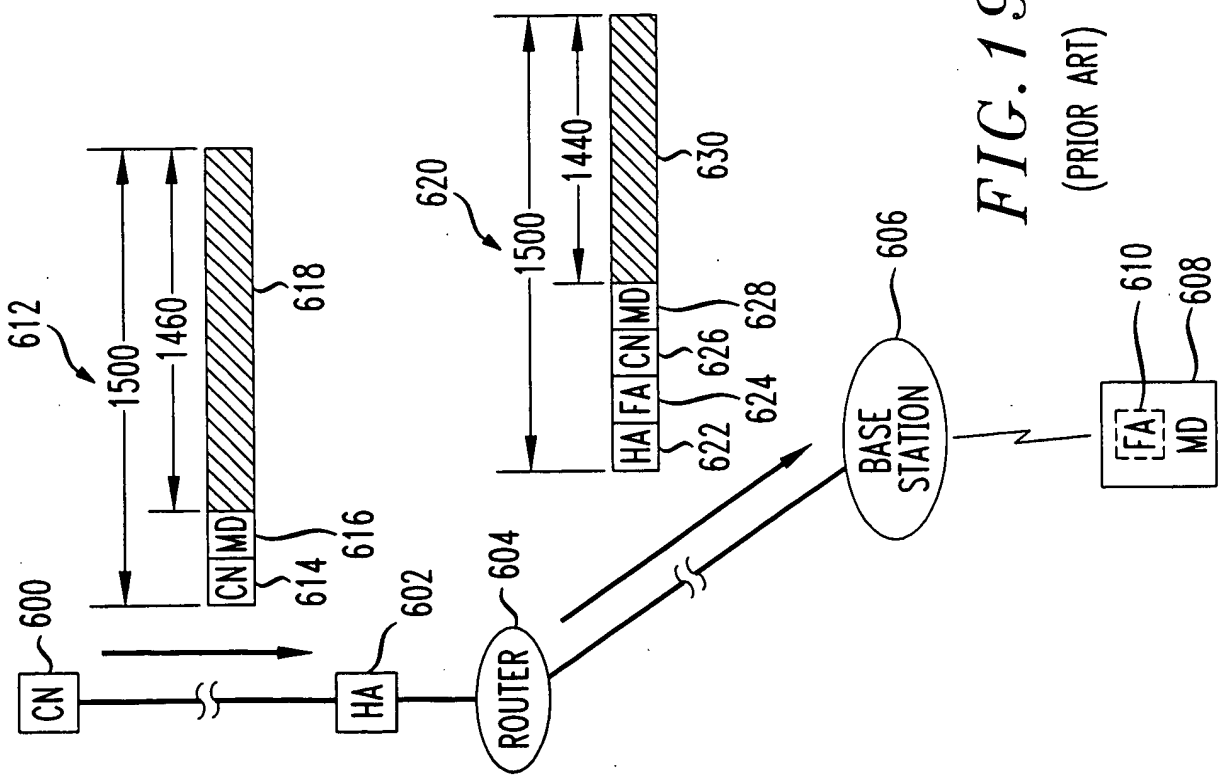


FIG. 19
(PRIOR ART)

FIG. 21

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(PRIOR ART)

- 1) CH.40102 > MH.complex-link: S 1626551371:1626551371(0)
win 8760 <mss 1460> (DF) (HI 255,id 47691)
- 2) HA > FA: CH.40102 > MH.complex-link: S 1626551371:1626551371(0)
win 8760 <mss 1460> (DF) (HI 254,id 47691) (DF) (HI 254,id 51069)
- 3) MH.complex-link > CH.40102: S 3552498482:3552498482(0)ack 1626551372
win 17520 <mss 1460> (DF) (TTL 63, id 6624)
- 4) CH.40102 > MH.complex-link: . ack 3552498483 win 8760(DF) (HI 255, id 47692)
- 5) HA > FA: CH.40102 > MH.complex-link: . ack 3552498483 win 8760 (DF)
(HI 254, id 47692) (DF) (HI 254, id 51070)
- 6) CH.40102 > MH.complex-link: P 1:1461(1460) ack 1 win 8760 (DF) (HI 255, id 47693)
- 7) HA > CH:icmp: MH unreachable - need to frag (mtu 1480) (DF) (HI 255, id 51072)
- 8) CH.40102 > MH.complex-link: . 1:1441(1440) ack1 win 10080 (DF) (HI 255, id 47694)
- 9) HA > FA: CH.40102 > MH.complex-link: . 1:1441(1440) ack 1 win 10080 (DF)
(HI 254, id 47694) (DF) (HI 254, id 51078)
- 10) MH.complex-link > CH.40102: . ack 1441 win 17520 (DF) (HI 63, id 6627)

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FIG. 22

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- 1) CH.50704 > MH.rfe: S 2197768393:2197768393(0) win 8760 <mss 1460> (DF)
- 2) CH.50704 > FA.rfe: S 2197768393:2197768393(0) win 8760 <mss 1460> (DF)
- 3) MH.rfe > CH.50704: S 4212372961:4212372961(0) ack 2197768394 win 17520 <mss 1460> (DF)
- 4) CH.50704 > MH.rfe: . ack 1 win 8760 (DF)
- 5) CH.50704 > FA.rfe: . ack 4212372962 win 8760 (DF)
- 6) CH.50704 > MH.rfe: P 1:1461(1460) ack 1 win 8760 (DF)
- 7) CH.50704 > FA.rfe: P 0:1460(1460) ack 1 win 8760 (DF)
- 8) MH.rfe > CH.50704: . ack 1461 win 17520 (DF)

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FIG. 23

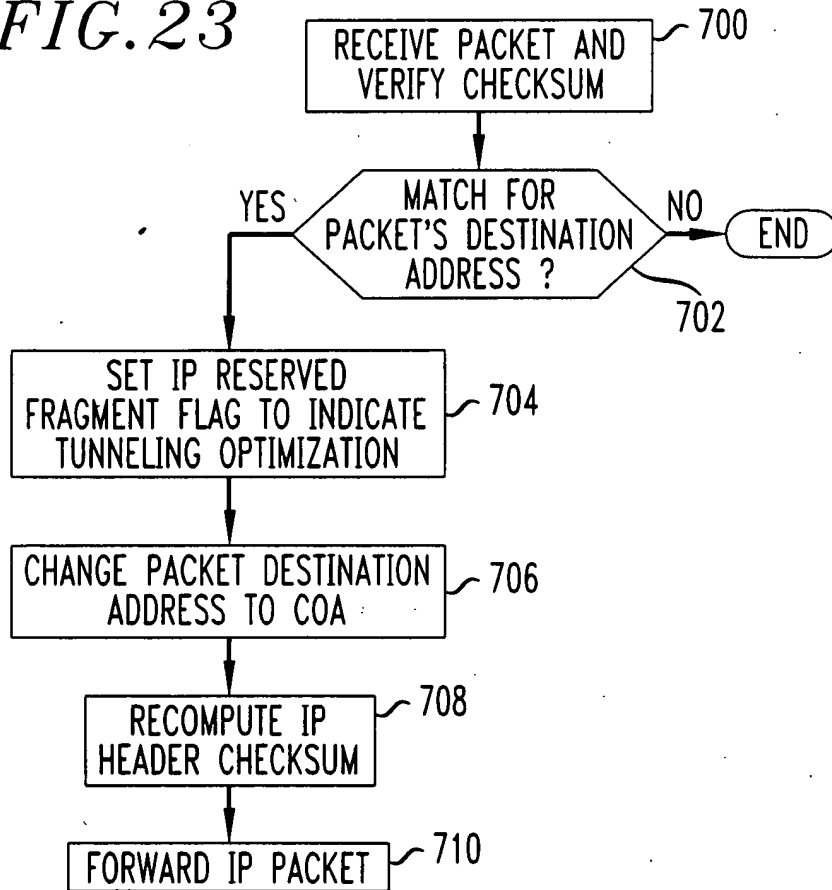


FIG. 24

